



Please amend the application, without prejudice, as follows. The marked changes are shown on the attached pages entitled "Version with Markings to Show Changes Made."

**IN THE TITLE**

Please amend the title to read as follows:

A USER CONTEXT COMPONENT IN ENVIRONMENT SERVICES  
PATTERNS

**IN THE SPECIFICATION**

Please amend the specification, p. 1, ln. 7-12, to read as follows:

A<sup>1</sup> This application is related to United States Patent Application serial number 09/387,747, filed August 31, 1999, entitled A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DEVELOPMENT ARCHITECTURE FRAMEWORK, and United States Patent Applications serial number 09/387,318, filed August 31, 1999, A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK, both of which are filed concurrently herewith and which are incorporated by reference in their entirety.

A<sup>2</sup> Please amend the specification, p. 90, ln. 4-9, to read as follows:

The W3C also approved the specification for version 4.0 of HTML. This specification builds upon earlier iterations of HTML by enabling Web authors to include advanced forms, in-line frames, and enhanced tables in Web pages. HTML 4.0 also allows authors to publish pages in any language, and to better manage differences in language, text direction, and character encoding.

Please amend the specification, p. 92, ln. 5-15, to read as follows:

A<sup>3</sup>  
A number of vendors plan to use XML as the underlying language for new Web standards and applications. Microsoft uses XML for its Channel Definition Format, a Web-based "push" content delivery system included in Internet Explorer 4.0. Netscape will use XML in its Meta Content Framework to describe and store metadata, or collections of information, in forthcoming versions of Communicator. XML is currently playing an important role the realm of electronic commerce via the Open Financial Exchange, an application developed by Microsoft, Intuit, and CheckFree for conducting electronic financial transactions. Similarly, HL7, a healthcare information systems standards organization, is using XML to support electronic data interchange EDI of clinical, financial, and administrative information.

☒ Please amend the specification, p. 92, ln. 24-p. 93, ln. 5, to read as follows:

A<sup>4</sup>  
In order to create 3-D worlds and objects with VRML, users need a VRML editor such as Silicon Graphics' Cosmo Worlds. To view VRML content, users need either a VRML browser or a VRML plug-in for standard HTML browsers. Leading VRML plug-ins include Cosmo Player from Silicon Graphics, Liquid Reality from Microsoft's DimensionX subsidiary, OZ Virtual from OZ Interactive, and WorldView from Intervista, These plug-ins can typically be downloaded for free from the Web.

#### **IN THE CLAIMS**

☒ Please amend claims 1, 5, 7, 11, 13, and 17 to read as follows.

- Sub 3  
A<sup>5</sup>
1. A method for maintaining a security profile throughout nested service invocations on a distributed, component-based system, comprising the steps of:
    - (a) providing interconnections between distributed components each having nested service invocations;
    - (b) identifying a user;